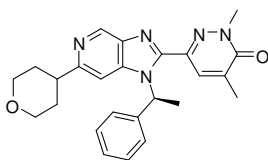




Certificate of Analysis

Axon Catalogue ID: 3037 **Batch Number:** 1
Product Name: BI-894999
Alternative Name(s): BET BRD4 inhibitor compound II-25
IUPAC Name: (S)-2,4-Dimethyl-6-(1-(1-phenylethyl)-6-(tetrahydro-2H-pyran-4-yl)-1H-imidazo[4,5-c]pyridin-2-yl)pyridazin-3(2H)-one

Structure:



Amount:

CAS number(s): 1660117-38-3
Molecular Formula: C₂₅H₂₇N₅O₂ **Molecular Weight:** 429.51
Batch Molecular Formula: C₂₅H₂₇N₅O₂ **Batch Molecular Weight:** 429.51
Appearance: Light-brown solid **Observed mp:** 147 - 148 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 99.5%
Optical Purity (ee): Optically pure
Optical Rotation (Det.): [α]_D = -62.0° with c = 1 in MeOH
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.91, H 6.34, N 16.31; Found: C 69.67, H 6.03, N 16.23
Storage Conditions: Store at +4 °C

| Solubility Data: | Solvent | Solubility | | Remarks |
|------------------|----------------|------------|---------|------------|
| | | (mg/ml) | (mM) | |
| | Water | 0.0 | 0.0 | Insoluble |
| | 0.1N NaOH (aq) | | | Not Tested |
| | 0.1N HCl (aq) | 43.0 | >100 mM | |
| | DMSO | 43.0 | >100 mM | |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 11-2-2020

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only